Amendments to the Claims:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Currently Amended) A system for data representation, comprising:

    (A)   an information environment, comprising multiple data variables and one

        or more data interdependency relationships between said data variables;

    (B)   a framework within said information environment, wherein said

        framework further comprises normal values which are displayed to assist

        the user in discerning deviations from said data interdependency

        relationship between said multiple data variables and said normal values;

        ~~and~~

    (C)   an object, having properties including dimensions, located about said

        framework, wherein said properties of said object represent multiple said

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data interdependency relationships between said multiple data ~~varibles~~

<u>variables</u> and wherein said object <u>has a height and a width and wherein</u>

<u>said height and said width of said objects grow and shrink in proportion</u>

<u>to multiple changing values and</u> ~~is deformable in multiple dimensions~~ to

show changes in said data interdependency relationships and are ~~is~~

correlated with data for representation and is displayed in relation to said

normal values<u>; and</u>

(D)   <u>one or more historical objects providing a display of previous historical</u>

<u>values of said object.</u>

32. (Original) A system for data representation, as recited in claim 31, wherein said

data for representation is derived from a natural dynamic system.

33. (Original) A system for data representation, as recited in claim 31, wherein said

data for representation is derived from an artificial dynamic system.

34. (Original) A system for data representation, as recited in claim 31, further

comprising sensor presented information relating to the health of said data,

based on the relationship between one or more objects.

35. (Original) A system for data representation, as recited in claim 34, wherein said

sensor provided information shows a measurement of the interaction between

one or more vital signs of a natural dynamic system.

36. (Original) A system for data representation, as recited in claim 31, further

comprising a three dimensional and auditory health-space for mapping system

data.

37. (Original) A system for data representation, as recited in claim 31, wherein said

object further comprises a display showing the relationship between a data

object and an expected normal shape and location for said data object.

38. (Original) A system for data representation, as recited in claim 34, wherein the

health of a system is shown by placing said object within a health space.

39. (Original) A system for data representation, as recited in claim 34, wherein the

health of a system is shown by placing said object within a life space.

40. (Original) A system for data representation, as recited in claim 31, wherein said

correlation of said data and said object is shown be an attribute, wherein said

attribute is selected from the group consisting of apparent volumetric density,

3-D enclosure, deformation, secondary forms of said object, degree of opacity,

degree of texture, color, hue, atmospheric density, audible sounds, size and

position.

41. (Original) A system for data representation, as recited in claim 31, wherein said

correlation is shown by a three-dimensional shape.

42. (Original) A system for data representation, as recited in claim 31, wherein said

object further comprises a major axis and a minor axis, and wherein said major

axis and said minor axis have a length dimension that represent a data value.

43. (Original) A system for data representation, as recited in claim 41, wherein said

three dimensional shape of said object changes as the correlation between said

data and said object changes.

44. (Original) A system for data representation, as recited in claim 40, wherein said

attribute changes as said data changes.

45. (Original) A system for data representation, as recited in claim 42, wherein said

major axis and said minor axis change in said length dimension as said data

changes

46. (Original) A system for data representation, as recited in claim 31, wherein said

framework further comprises a time reference axis.

47. (Original) A system for data representation, as recited in claim 31, further

comprising a means for the selection of a user viewpoint from a plurality of

potential user viewpoints.

48. (Original) A system for data representation, as recited in claim 47, wherein said

viewpoints can be selected from the group consisting of a perspective view, an

immersive Virtual Reality view and an orthographic view.

49. (Original) A system for data representation, as recited in claim 31, further

comprising a means for display of a layout of a plurality of time-space

viewpoints.

50. (Original) A system for data representation, as recited in claim 31, further

comprising a means for zooming in and out of a time-space coordinate.

51. (Original) A system for data representation, as recited in claim 31, further

comprising a means for displaying the history of said data.

52. (Original) A system for data representation, as recited in claim 31, further

comprising a means for customizing a display of said objects.

53. (Original) A system for data representation, as recited in claim 31, further

comprising a means for storing said objects for display at a later time.

54. (Original) A system for data representation, as recited in claim 53, wherein said

means for storing further comprises a means for speeding up a display of said

objects.

55. (Original) A system for data representation, as recited in claim 43, wherein said

means for storing further comprises a means for slowing down a display of said

objects.

56. (Original) A system for data representation, as recited in claim 31, further

comprising a means for the providing a user with a comparison of a data driven

object with expected location, size, shape and color of said data driven object.

57. (Withdrawn)